

Company overview

ConKor Systems was established in 1998 to provide solutions for High-tech and industrial companies that need to develop software for a new products and wish to outsource this development to mitigate time/budget risks and to shorten time-to-market.

ConKor Systems Ltd. specializes in multi-disciplinary software projects for leading companies including the medical, semiconductor, and defense sectors.

The ConKor team emphasizes process oriented development for turnkey projects, embedded software applications, and GUI experience. ConKor provides one point-of-contact per project, ensuring responsive service. We deliver complete software product including sources, hardware/software integrations, installations, training, documentation, and formal testing.

Sectors and Applications

- Biomedical
- Security, Multimedia, VoIP
- Defense applications including C3 (Command, Control and Communication)
- Semiconductor processing equipment
- Equipment control, data acquisition and industrial vision
- Wireless communication and control

Operating Systems

Win CE, MS Windows, iPhone OS, Linux, uCLinux, VxWorks, various RTOS

ConKor is ISO 9001:2008 certified and operates under ISO 90003 guidelines, FDA requirements, various MIL standards, and FAA RTCA/178B guidelines

Software Languages and Technologies

.NET Framework/C#, WPF, Java, C/C++, Assemblers, ActiveX, OpenGL

Communication Protocols

TCP/IP, HTTP, SNMP, SECS/GEM

Architectures

ARM, PIC, TI, BF, Intel, 8051, RABBIT

Case Tools

IBM Rational Rose/Suits, Rhapsody, Enterprise Architect



Sample Projects

ConKor delivers turnkey projects, software packages, and devices according to customer request. The following list contains more detailed descriptions of some of our recent projects.

Weapon control

Background: Software development of C3 system (Communication, Command and Control), supporting fast target detection and firing decisions. The software controls weapon and target detection systems and includes a highly customized GUI and live video.

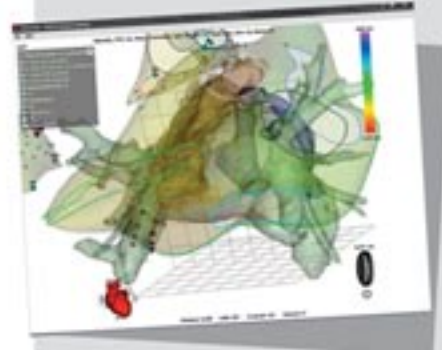
Challenge: Formal software development, complex multimedia technologies, sophisticated subsystem interactions and controls.



Medical Imaging Application

Background: 3D medical imaging viewer presenting data generated by a cardiac diagnostic system. The viewer displays complex heart models embedded in MS Office documents.

Challenge: Development using FDA guidelines. Sophisticated 3D graphics, using OpenGL and DirectX for displaying 3D models.



Medical Devices

Background: Developing software and firmware for a family of medical devices. Long term customer support.

Challenge: Major technological upgrade of medical devices for treating patient lymphatic system problems. This included embedded firmware development and integration with new hardware, formal documentation, and support of the FDA registration process.

In addition to embedded development, the customer required development of several PC applications for dealers, technicians, and production floor support. For production support, the customer required development of testing equipment for the new device and its hardware.



Turnkey Devices for Large RFID Application

Background: Developing line of RFID security and asset tracking devices in extremely short time.

Challenge: ConKor organized and led a team of software, hardware, and mechanical engineers for creating a completely new line of RFID devices for a customer participating in a DoD tender. This included producing a set of working prototypes and supporting customer teams abroad in the USA and Austria.

The project significantly shortened time-to-market and demonstrated our ability to organize multi-disciplinary teams in extremely short time supplying outstanding project management.

